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EXAMINER

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**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/829,503	<b>Applicant(s)</b> MOHAMMED ET AL.	
	<b>Examiner</b> RYAN J. JAKOVAC	<b>Art Unit</b> 2445	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 04 February 2009.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-3, 7-12 and 14-52 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-3, 7-12 and 14-52 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)                       | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | Paper No(s)/Mail Date. _____                                      |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>02/04/2009, 11/04/2008</u> .                                  | 6) <input type="checkbox"/> Other: _____                          |

## DETAILED ACTION

### *Continued Examination Under 37 CFR 1.114*

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed 02/04/2008 has been entered.

### *Specification*

2. The specification is objected to as failing to provide proper antecedent basis for the claimed subject matter. See 37 CFR 1.75(d)(1) and MPEP § 608.01(o). Correction of the following is required: Claims 1, 35, 43 recites the term “component object-based pipeline” which is not present in the specification. Claim 43 recites the term “component object-based multimedia framework” which is not present in the specification.

### *Response to Arguments*

3. Applicant's arguments filed 02/04/2009 have been fully considered but they are not persuasive.

4. Applicant has amended to include limitations directed towards an object comprising a **media source object** or a **byte stream object**.

5. Regarding a **media source object**, according paragraph [0034] of the Applicant's specification, a source object accesses media content from a media content store and reads the

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media content into a stream of data. Paragraph [0014] references a source object as a mechanism by which desired media content may be accessed. Paragraph [0043] discloses that a source object may be any of a variety of objects that include appropriate logic and/or data for accessing media content from a given location and in accordance with a particular access method, such as a communication protocol. More particularly, a source object reads media content and produces output streams.

6. Regarding a **byte stream object**, paragraph [0042] of the Applicant's specification discloses that a byte stream object is a software module or API that includes appropriate logic and/or data for accessing media content from a given location and in accordance with a particular access method, such as a communications protocol. "More particularly, a byte stream object is pointed to a particular location/medium from which data are available and produces as output a stream of bits..."

7. The examiner asserts that Eyal discloses components which access media content from a media content store in accordance with an access method and reads media content into a stream of data in accordance with the applicant's disclose of a **media source object**. Eyal discloses this feature in at least col. 2:40-67 to col. 3:1-10 which discloses that media content is accessed from media network resources (i.e. stored in a media content store). Eyal then discloses in the aforementioned portions reading the media content into a stream of data.

8. The examiner asserts that Eyal discloses components which include appropriate logic and/or data for accessing media content from a given location and in accordance with a particular access method, such as a communications protocol, and components which are pointed to a particular location/medium from which data are available and produces as output a stream of bits

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in accordance with the Applicant's disclosure of **byte stream objects**. Eyal discloses this feature in at least col. 2:40-67 to col. 3:1-10. Eyal discloses accessing media from a given location (i.e. at a network address). Eyal discloses components pointed to a particular location since Eyal discloses a device which locates media on the network using addresses. Eyal further discloses in the aforementioned portions producing an output stream since the network enabled device includes a media playback component which loads the media network resources located at network addresses which the device is pointed to.

9. Eyal therefore discloses both the media source objects and byte stream handlers that the amended claims are directed to.

10. The remainder of the amended claims are directed towards generating media data in a “component object-based” pipeline that allows for rendering or archiving the media content. Streaming media is considered to be a pipeline of data. This pipeline of streaming media is generated when the media is loaded and played back. Eyal discloses the generation and rendering as presented in the amended claims in at least the aforementioned portions which discloses the media is loaded from the network and the media is output, played back, or streamed (See also Eyal, col. 20:35-50.).

11. In response to applicant's arguments against the references individually, one cannot show nonobviousness by attacking references individually where the rejections are based on combinations of references. See *In re Keller*, 642 F.2d 413, 208 USPQ 871 (CCPA 1981); *In re Merck & Co.*, 800 F.2d 1091, 231 USPQ 375 (Fed. Cir. 1986).

***Claim Rejections - 35 USC § 112***

12. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

13. Regarding claim 52, the phrase "configured to" renders the claim indefinite because it is unclear whether the limitation(s) following the phrase are part of the claimed invention. See MPEP § 2173.05(d). The phrase "configured to" does not necessarily indicate that the limitations following are performed by the invention.

14. Claim 52 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. Claim 52 recites in part "providing the selected media source object to the one of the plurality of applications executing on the operating system of the computing device to thereby allow for a object-based media pipeline that comprises the media source object configured to generate media data..." It is unclear the object-based media pipeline or the media sink object is "configured to render or archive the media content."

***Claim Objections***

15. Claim 1 is objected to because of the following informalities: The phrases "providing the media source object to the one of the plurality of applications *for generating media data in a component object-based pipeline that allows for rendering or archiving the media content...*" and "providing the selected media source object to the one of the plurality of applications *for generating media data in a component object-based pipeline that allows for rendering, or*

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*archiving the media content*” render the limitations that follow an intended use of the invention, rather than a limitation that is given patentable weight. Appropriate correction is required.

16. Claim 52 is objected to because of the following informalities: The phrases “to thereby allow for a object-based media pipeline ...” render the limitations that follow an intended use of the invention, rather than a limitation that is given patentable weight. Appropriate correction is required.

***Claim Rejections - 35 USC § 102***

17. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

18. Claims 1-3, 7-12, 14, 17-23, 26-28, 30-39, and 41-52 are rejected under 35 U.S.C. 102(b) as being anticipated by U.S. 6,389,467 to Eyal.

Regarding claim 1, 52, Eyal teaches a method implemented in a component object-based multimedia framework for an operating system executing on a computing device, the method comprising:

Receiving a uniform resource locator (URL) as associated with one of a plurality of applications requesting media content (Col. 1, line 50-67, network addresses and links (i.e.

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URLs) are received, selected, and accessed. See also at least col. 2, line 1-55, col. 3, line 1-67, col. 4, line 25-45.);

Identifying a scheme associated with the URL (Col. 1, line 50-67, when network addresses and links (i.e. URLs) are received, selected, and accessed the scheme of the URL is identified in order to correctly access the resources pointed to by the URL. See also at least col. 2, line 1-55, col. 3, line 1-67, col. 4, line 25-45.);

selecting a first object operable to handle the identified scheme associated with the URL to access parameter data from a location specified by the URL (Col. 2, line 5-26, The network enabled device accesses the media resource at the address. (The address is an URL, see "links", Col. 3, line 45-65, and Col. 12, line 1-10).); and

based on the accessed parameter data selecting a second object operable to read media content of a given type from the location specified by the URL (Col. 2, line 1-67, The media playback component loads resources based upon data (i.e. accessed parameter data) accessed at the corresponding URL. See also, col. 2, line 5-26, The media playback component loads the media.), wherein the second object comprises a media source object or a byte stream object (Eyal, col. 2:40-67 to col. 3:1-10);

where if the second object comprises a media source object, providing the media source object to the one of the plurality of applications for generating media data in a component object-based pipeline that allows for rendering or archiving the media content (Eyal, col. 2:40-67 to col. 3:1-10, media content is accessed from media network resources (i.e. stored in a media content store), reading the media content into a stream of data. Media content is played back (i.e. rendered). See also Eyal, col. 20:35-50.); and



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where if the second object comprises a byte stream object, selecting a media source object based in part on the byte stream object and providing the selected media source object to the one of the plurality of applications for generating media data in a component object-based pipeline that allows for rendering, or archiving the media content (Eyal , col. 2:40-67 to col. 3:1-10. accessing media from a given location (i.e. at a network address), device which locates media on the network using addresses, production of an output stream -network enabled device includes a media playback component which loads the media network resources located at network addresses which the device is pointed to. Media content is played back (i.e. rendered). See also Eyal, col. 20:35-50.).

Regarding claim 2, Eyal teaches the method as recited in claim 1, wherein the selection of the second object is additionally based on information contained in the URL indicating a type of multimedia data (Col. 2, line 35-43, The media playback component uses the addresses (i.e. URLs) to access and play back media associated with the address.) for the media content.

Regarding claim 3, Eyal teaches the method as recited in claim 1, wherein the selection of the second object is additionally based Multipurpose Internet Mail Extensions MIME data (The addresses accessed by the media playback component are disclosed in Col. 12, line 13-35 to have a MIME extension. Col. 2, line 35-43, The media playback component uses the addresses (i.e. URLs) to access and play back media associated with the address.).

Regarding claim 7, Eyal teaches the method as recited in claim 1, wherein the first object is produced using a scheme handler (Col. 2, line 5-26, The network server module coupled to the network enabled device selects an address and signals the address to the network enabled device and the media playback component.).

Regarding claim 8, Eyal teaches the method as recited in claim 1, wherein the second object is produced using a byte stream handler (Col. 2, line 5-26, The media playback component loads the media. Col. 2, line 30-43, The media playback component plays back the media resource.).

Regarding claim 9, Eyal teaches the method as recited in claim 1, wherein the first object is produced by a scheme handler (Col. 2, line 5-26, The network server module coupled to the network enabled device selects an address and signals the address to the network enabled device and the media playback component.) and the second object is produced by a byte stream handler (Col. 2, line 5-26, The media playback component loads the media. Col. 2, line 30-43, The media playback component plays back the media resource.).

Regarding claim 10, Eyal teaches the method as recited in claim 1, wherein the first object is produced using a scheme handler selected from a list of two or more scheme handlers (Col. 2, line 5-26, The network server module coupled to the network enabled device selects an address from a plurality of links (see Col. 3, line 50-60) and signals the address to the network enabled device and the media playback component.).

Regarding claim 11, Eyal teaches the method as recited in claim 1, wherein the second object is produced using a byte stream handler selected from a list of two or more byte stream handlers (Col. 12, line 35-65, Multiple types of metadata are extracted from the medial links and the actual media file.).

Regarding claim 12, Eyal teaches the method as recited in claim 1, wherein the first object is produced using a scheme handler selected from a list of two or more scheme handlers (Col. 2, line 5-26, The network server module coupled to the network enabled device selects an address from a plurality of links (see Col. 3, line 50-60) and signals the address to the network enabled device and the media playback component.) and the second object is produced using a byte stream handler selected from a list of two or more byte stream handlers (Col. 12, line 35-65, Multiple types of metadata are extracted from the medial links and the actual media file.).

Regarding claim 14, Eyal teaches method as recited in claim 1, teaches wherein the second object is produced using a byte stream handler selected from a list of byte stream handlers and wherein each byte stream handler in the list has a selection value associated therewith (Col. 12, line 35-65, Multiple types of metadata are extracted from the medial links and the actual media file. The types (i.e. selection values) associated with each media link are disclosed in Col. 12, line 35-65.).

Regarding claim 17, 35, Eyal teaches the computer-readable medium including computer-executable instructions for performing operations in a component object-based multimedia framework, the operations comprising:

receiving a uniform resource locator (URL) specifying a location of media content as associated with one of a plurality of applications requesting media content (Col. 1, line 50-67, network addresses and links (i.e. URLs) are received, selected, and accessed. See also at least col. 2, line 1-55, col. 3, line 1-67, web server accesses a plurality of links and the terminal loads the plurality of resources in the media playback component. See also, col. 4, line 25-45.);

determining a scheme of the URL (Col. 1, line 50-67, when network addresses and links (i.e. URLs) are received, selected, and accessed the scheme of the URL is identified in order to correctly access the resources pointed to by the URL. Col. 2, line 5-26, The network enabled device accesses the media resource at the address (i.e. determines the scheme) which specifies the location of the media content. (The address is an URL, see "links", Col. 3, line 45-65, and Col. 12, line 1-10).);

using the scheme to produce a byte stream object to handle the determined scheme associated with the URL to access parameter data (Col. 1-5, The media playback component plays back media associated with resources pointed to by the corresponding URL.);

using the byte stream object to generate a byte stream from the media content; and using at least a portion of the byte stream to produce a media source object that, based on the accessed parameter data, reads the media content of a given type, from the location specified by the URL (Col. 2, line 5-43, The media playback component uses the addresses (i.e. URLs) to access and play back media associated with the address. See col. 1-5.), and generates data in a component

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object-based pipeline of the multimedia framework to allow for rendering or archiving the media content (Eyal, col. 2:40-67 to col. 3:1-10. accessing media from a given location (i.e. at a network address), device which locates media on the network using addresses, production of an output stream -network enabled device includes a media playback component which loads the media network resources located at network addresses which the device is pointed to. Media content is played back (i.e. rendered). See also Eyal, col. 20:35-50.).

Regarding claim 18, Eyal teaches the computer-readable medium as recited in claim 17, wherein the operation of using the byte stream additionally includes using a file extension indicated in the URL to select the source object (Col. 12, line 1-27, The media links (i.e. URLs) identify web resources having media content. The resources included files with different extensions that distinguish the different sorts of media (i.e. MOV, JPEG, etc.)).

Regarding claim 19, Eyal teaches the computer-readable medium as recited in claim 17, wherein the operation of producing a byte stream object includes choosing a scheme handler and using the chosen scheme handler to produce the byte stream object (Col. 2, line 5-26, The network server module coupled to the network enabled device selects an address from a plurality of links (see Col. 3, line 50-60) and signals the address to the network enabled device and the media playback component. Col. 2, line 35-45, The media component accesses and plays back the media.).

Regarding claim 20, Eyal teaches the computer-readable medium as recited in claim 17, wherein the operation of producing a byte stream object includes choosing a scheme handler from a list of scheme handlers and using the chosen scheme handler to produce the byte stream object (Col. 2, line 5-26, The network server module coupled to the network enabled device selects an address from a plurality of links (see Col. 3, line 50-60) and signals the address to the network enabled device and the media playback component. Col. 2, line 35-45, The media component accesses and plays back the media. Col. 1 line 60-Col. 2, line 8 discloses the network enabled device accessing addresses pointing to media (i.e. URLs) in a database.).

Regarding claim 21, Eyal teaches the computer-readable medium as recited in claim 17, wherein the operation of producing a media source object includes choosing a byte stream handler and using the chosen byte stream handler to produce the media source object (Col. 2, line 35-43, The media playback component uses the addresses (i.e. URLs) to access and play back media associated with the address.).

Regarding claim 22, Eyal teaches the computer-readable medium as recited in claim 17, wherein the operation of producing a media source object includes choosing a byte stream handler from a list of byte stream handlers and using the chosen byte stream handler to produce the media source object (Col. 2, line 35-43, The media playback component uses the addresses (i.e. URLs) to access and play back media associated with the address.).

Regarding claim 23, Eyal teaches the computer-readable medium as recited in claim 17, wherein the operation of producing a media source object includes choosing a byte stream handler from a list of byte stream handlers and using the chosen byte stream handler to produce the media source object and wherein the list of byte stream handlers is ordered based on a selection values associated with the byte stream handlers (Col. 2, line 35-43, The media playback component uses the addresses (i.e. URLs) to access and play back media associated with the address.).

Regarding claim 26, Eyal teaches the computer-readable medium as recited in claim 17, wherein the operation of producing a media source object includes using a look-up process to select a subset of byte stream handlers from a set of byte stream handlers and using one of the subset of byte stream handlers to produce the media source object (Col. 2, line 5-26, The network server module coupled to the network enabled device selects an address from a plurality of links (see Col. 3, line 50-60) and signals the address to the network enabled device and the media playback component. Col. 2, line 35-45, The media component accesses and plays back the media. Col. 1 line 60-Col. 2, line 8 discloses the network enabled device accessing addresses pointing to media (i.e. URLs) in a database.).

Regarding claim 27, Eyal teaches the computer-readable medium as recited in claim 17, wherein the operation of producing a source object includes using a look-up process to: select a number of byte stream handlers; and invoke the selected byte stream handlers one at a time until a byte stream handler produces a media source object (Col. 2, line 5-26, The network server

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module coupled to the network enabled device selects an address from a plurality of links (see Col. 3, line 50-60) and signals the address to the network enabled device and the media playback component. Col. 2, line 35-45, The media component accesses and plays back the media. Col. 1 line 60-Col. 2, line 8 discloses the network enabled device accessing addresses pointing to media (i.e. URLs) in a database.).

Regarding claim 28, Eyal teaches the computer-readable medium as recited in claim 17, wherein the operation of producing a media source object includes using a look-up process to: select a number of byte stream handlers; and invoke the selected byte stream handlers one at a time in a predetermined order until a byte stream handler produces a media source object (Col. 2, line 5-26, The network server module coupled to the network enabled device selects an address from a plurality of links (see Col. 3, line 50-60) and signals the address to the network enabled device and the media playback component. Col. 2, line 35-45, The media component accesses and plays back the media. Col. 1 line 60-Col. 2, line 8 discloses the network enabled device accessing addresses pointing to media (i.e. URLs) in a database.).

Regarding claim 30, 31, Eyal teaches the computer-readable medium as recited in claim 17, wherein the operation of producing a media source object includes using a look-up process to: select a number of byte stream handlers; compiling a first list of byte stream handlers, each of the byte stream handlers in the first list being associated with the type of the media content, the byte stream handlers in the first list being ordered according to cost values associated with the byte stream handlers in the first list; compiling a second list of byte stream handlers, each of the



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byte stream handlers in the second list not being associated with the type of the media content; invoke the byte stream handlers in the first list one at a time in order until either a byte stream handler in the first list produces a media source object or until all byte stream handlers in the first list have been invoked without producing a media source object; and if all byte stream handlers in the first list have been invoked and none of the invoked byte stream handler from the first list produced a source object, invoking each of the byte stream handlers in the second list one at a time until either a either a byte stream handler from the second list produces a media source object or until all byte stream handlers in the second list have invoked without producing a media source object (Col. 12, line 30-67, Multiple lists of media links are compiled including multiple types of metadata are extracted including type and description information. Col. 13, line 5-25, The playback interface causes the media player component on the user terminal to play media associated with the media links in each play-list. The playback interface skips between media and playlists allowing the player to cycle between media resources.).

Regarding claim 32, Eyal teaches the computer-readable medium as recited in claim 17, wherein the operation of producing a byte stream object includes using a look-up process to: select a number of scheme handlers; and invoke the scheme handlers in the list one at a time until a scheme handler produces a byte stream object (Col. 2, line 5-26, The network server module coupled to the network enabled device selects an address from a plurality of links (see Col. 3, line 50-60) and signals the address to the network enabled device and the media playback component. Col. 2, line 35-45, The media component accesses and plays back the media. Col. 1

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line 60-Col. 2, line 8 discloses the network enabled device accessing addresses pointing to media (i.e. URLs) in a database.).

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Regarding claim 33, Eyal teaches the computer-readable medium as recited in claim 17, wherein the operation of producing a byte stream object includes using a look-up process to: select a number of scheme handlers; and invoke the scheme handlers in the list one at a time in a predetermined order until a scheme handler produces a byte stream object (Col. 2, line 5-26, The network server module coupled to the network enabled device selects an address from a plurality of links (see Col. 3, line 50-60) and signals the address to the network enabled device and the media playback component. Col. 2, line 35-45, The media component accesses and plays back the media. Col. 1 line 60-Col. 2, line 8 discloses the network enabled device accessing addresses pointing to media (i.e. URLs) in a database.).

Regarding claim 34, Eyal teaches the computer-readable medium as recited in claim 17, wherein the operation of producing a media source object includes using a look-up process to: select a number of scheme handlers; compiling a list of scheme handlers, each of the scheme handlers in the list of scheme handlers being associated with the scheme of the URL; invoke the scheme handlers in the list of scheme handlers one at a time until either a byte stream object is produced, a media source object is produced, or all scheme handlers in the list of scheme handlers have been invoked and neither a byte stream object nor a media source object have been produced; if either a media source object or a byte stream object has been produced, determining

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if an application has requested a media source object; if an application has requested a media source object, returning the source object to the application; and if the application has not requested a media source object, compiling a list of byte stream handlers, and invoking the byte stream handlers in the first list one at a time until either a byte stream handler in the list produces a media source object or until all byte stream handlers in the first list have been invoked without producing a media source object (In response to a request (see Col. 1, line 60-67 and Col. 3, line 60-65), the network server module coupled to the network enabled device selects an address from a plurality of links (Col. 2, line 5-26, see also Col. 3, line 50-60) and signals the address to the network enabled device and the media playback component. Col. 2, line 35-45, The media component accesses and plays back the media. Col. 1 line 60-Col. 2, line 8 discloses the network enabled device accessing addresses pointing to media (i.e. URLs) in a database.).

Regarding claim 36, Eyal teaches the computerized system as recited in claim 35, wherein the byte stream object is produced using a scheme handler (Col. 2, line 5-26, The network server module coupled to the network enabled device selects an address from a plurality of links (see Col. 3, line 50-60) and signals the address to the network enabled device and the media playback component.).

Regarding claim 37, Eyal teaches the computerized system as recited in claim 35, wherein the source object is produced using a byte stream handler (Col. 2, line 35-45, The media component accesses and plays back the media.).

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Regarding claim 38, Eyal teaches the computerized system as recited in claim 35, wherein the byte stream object is produced using a scheme handler that is selected from a list of scheme handlers, the list being selected based on the scheme of the URL (Col. 2, line 5-26, The network server module coupled to the network enabled device selects an address from a plurality of links (see Col. 3, line 50-60) and signals the address to the network enabled device and the media playback component.).

Regarding claim 39, Eyal teaches the computerized system as recited in claim 35, wherein the source object is produced using a byte stream handler that is selected from a list of byte stream handlers, the list being selected based on a byte stream generated from data at the location indicated by the URL and a portion of the URL (Col. 2, line 5-26, The network server module coupled to the network enabled device selects an address from a plurality of links (see Col. 3, line 50-60) and signals the address to the network enabled device and the media playback component. Col. 2, line 35-45, The media component accesses and plays back the media.).

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Regarding claim 41, Eyal teaches the computerized system as recited in claim 35, wherein the operation of producing a media source object includes using a look-up process to: select a number of byte stream handlers; and invoke the selected byte stream handlers one at a time until a byte stream handler produces a media source object (Col. 2, line 35-45, The media component accesses and plays back the media.).

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Regarding claim 42, Eyal teaches the computerized system as recited in claim 35, wherein the operation of producing a byte stream object includes using a look-up process to: select a number of scheme handlers; and invoke the scheme handlers in the list one at a time until a scheme handler produces a byte stream object (Col. 2, line 5-26, The network server module coupled to the network enabled device selects an address from a plurality of links (see Col. 3, line 50-60) and signals the address to the network enabled device and the media playback component.).

Regarding claim 43, Eyal teaches a system for a component object-based multimedia framework comprising:

means for receiving a uniform resource locator (URL) as associated with one of a plurality of applications requesting media content (Col. 1, line 50-67, network addresses and links (i.e. URLs) are received, selected, and accessed. See also at least col. 2, line 1-55, col. 3, line 1-67, web server accesses a plurality of links and the terminal loads the plurality of resources in the media playback component. See also, col. 4, line 25-45.);

means for identifying a scheme associated with the URL (Col. 1, line 50-67, when network addresses and links (i.e. URLs) are received, selected, and accessed the scheme of the URL is identified in order to correctly access the resources pointed to by the URL. Col. 2, line 5-26, The network enabled device accesses the media resource at the address (i.e. determines the scheme) which specifies the location of the media content. (The address is an URL, see "links", Col. 3, line 45-65, and Col. 12, line 1-10).);

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means for selecting a scheme handler based on the identified scheme (Col. 1, line 50-67, network addresses and links (i.e. URLs) are received, selected, and accessed. See also at least col. 2, line 1-55, col. 3, line 1-67, col. 4, line 25-45.), the scheme handler producing a byte stream object operable to handle the identified scheme associated with the URL to access parameter data from the location pointed to by the URL and produce a byte stream from the accessed parameter data (Col. 1-5, The network enabled device access resources pointed to by addresses (i.e. URLs). The media playback component plays back media associated with resources pointed to by the corresponding URL.); and

means for selecting a byte stream handler based on the accessed parameter data (Col. 1-5, The media playback component plays back media associated with resources pointed to by the corresponding URL.), the byte stream handler producing a media source object operable to read the media content of a given type, from the location specified by the URL (Col. 12, line 1-27, The media links (i.e. URLs) identify web resources having media content. The resources included files with different extensions that distinguish the different sorts of media (i.e. MOV, JPEG, etc.). Col. 2, line 5-26, The network server module accesses these resources. Col. 2, line 35-45, The media component accesses and plays back the media.), and operable to generate data in a component object-based pipeline to allow for rendering or archiving the media content (Eyal, col. 2:40-67 to col. 3:1-10. accessing media from a given location (i.e. at a network address), device which locates media on the network using addresses, production of an output stream - network enabled device includes a media playback component which loads the media network resources located at network addresses which the device is pointed to. Media content is played back (i.e. rendered). See also Eyal, col. 20:35-50.).

Regarding claim 44, Eyal teaches the system as defined in claim 43, further comprising a lookup means for producing a list of scheme handlers, wherein the means for selecting the scheme handler selects the scheme handler from the list of scheme handlers (Col. 2, line 5-26, The network server module coupled to the network enabled device selects an address from a plurality of links (see Col. 3, line 50-60) and signals the address to the network enabled device and the media playback component.).

Regarding claim 45, Eyal teaches the system as defined in claim 43, further comprising a lookup means for producing a list of byte stream handlers, wherein the means for selecting the byte stream handler selects the byte stream handler from the list of byte stream handlers (Col. 2, line 5-26, The network server module accesses these media resources at the media resource links. Col. 2, line 35-45, The media component accesses and plays back the media.).

Regarding claim 46, Eyal teaches the system as defined in claim 43, wherein the means for selecting a scheme handler selects the scheme handler in response to a request from an application (Col. 2, line 25-43, The network server receives a request for media playback from the network enabled device and selects addresses from the database (i.e. scheme handler).).

Regarding claim 47, Eyal teaches the system as defined in claim 43, wherein the means for selecting a byte stream handler selects the byte stream handler in response to a request from

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an application (Col. 2, line 25-43, The network server receives a request for media playback from the network enabled device and selects addresses from the database (i.e. scheme handler)).

Regarding claim 48, Eyal teaches the system as defined in claim 43, wherein the source object produced by the byte stream handler is employed as component in a multi-component media processing pipeline (Col. 2, line 5-26, The network server module coupled to the network enabled device selects an address from a plurality of links (see Col. 3, line 50-60) and signals the address to the network enabled device and the media playback component. Col. 2, line 35-45, The media component accesses and plays back the media.).

Regarding claim 49, Eyal teaches the system as defined in claim 43, wherein the source object produced by the byte stream handler is employed as component in a multi-component media processing pipeline in a media engine (Col. 2, line 5-26, The network server module coupled to the network enabled device selects an address from a plurality of links (see Col. 3, line 50-60) and signals the address to the network enabled device and the media playback component. Col. 2, line 35-45, The media component accesses and plays back the media.).

Regarding claim 50, Eyal teaches the system as defined in claim 43, wherein the means for selecting a scheme handler selects the scheme handler in response to a request from an application (Col. 2, line 25-43, The network server receives a request for media playback from the network enabled device and selects addresses from the database (i.e. scheme handler).) and wherein the source object produced by the byte stream handler is employed as component in a



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multi-component media processing pipeline in a media processing module that is an operational module in a operating system (Col. 2, line 5-26, The network server module coupled to the network enabled device selects an address from a plurality of links (see Col. 3, line 50-60) and signals the address to the network enabled device and the media playback component. Col. 2, line 35-45, The media component accesses and plays back the media.).

Regarding claim 51, Eyal teaches the system as defined in claim 43, wherein the means for selecting a byte stream handler employs a lookup module (Col. 2, line 5-26, The network server module coupled to the network enabled device selects an address from a plurality of links (see Col. 3, line 50-60) and signals the address to the network enabled device and the media playback component.).

### ***Claim Rejections - 35 USC § 103***

19. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

20. Claims 15, 16, 24, 25, 29, and 40 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. 2003/0236906 to Klemets et al (hereinafter Klemets).

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Regarding claim 15, Eyal teaches the method as recited in claim 1, wherein the second object is produced using a byte stream handler selected from a list of byte stream handlers (Col. 2, line 1-67, The media playback component loads resources based upon data (i.e. accessed parameter data) accessed at the corresponding URL. See also, col. 2, line 5-26, The media playback component loads the media.). Eyal does not expressly disclose wherein each byte stream handler in the list has a cost value associated therewith, however, Klemets teaches wherein each byte stream handler in the list has a cost value associated therewith (Klemets, paragraph [0099], discloses costs associated with bit rates and streaming media content.).

Therefore it would have been obvious to one of ordinary skill in the art at the time of invention to combine wherein the second object is produced using a byte stream handler selected from a list of byte stream handlers and wherein each byte stream handler in the list has a cost value associated therewith as taught by Klemets with the method of Eyal in order to determine whether to cache streaming media content on a client device (Klemets, paragraph [0095-0099]).

Regarding claim 16, 24, 25, Eyal teaches the method as recited in claim 1, wherein the second object is produced using a byte stream handler selected from a list of byte stream handlers (Col. 2, line 1-67, The media playback component loads resources based upon data (i.e. accessed parameter data) accessed at the corresponding URL. See also, col. 2, line 5-26, The media playback component loads the media.). Eyal does not expressly disclose wherein each byte stream handler in the list has a cost value associated therewith, the cost value indicating how many bytes must be read by the byte stream handler in determining if the byte stream handler is appropriate for selecting the second object, however, Klemets discloses wherein each

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byte stream handler in the list has a cost value associated therewith, the cost value indicating how many bytes must be read by the byte stream handler in determining if the byte stream handler is appropriate for selecting the second object (Klemets, paragraph [0099], discloses costs associated with bit rates and streaming media content.).

Regarding claim 29, Eyal teaches the computer-readable medium as recited in claim 17, wherein the operation of producing a media source object includes using a look-up process to: select a number of byte stream handlers; and invoke the byte stream handlers one at a time in a predetermined order (Eyal, col. 1-5.). Eyal does not expressly disclose based on cost values associated with the selected byte stream handlers until a byte stream handler produces a media source object, however, Klemets discloses based on cost values associated with the selected byte stream handlers until a byte stream handler produces a media source object (Klemets, paragraph [0099], discloses costs associated with bit rates and streaming media content.).

Regarding claim 40, Eyal teaches the computerized system as recited in claim 35, wherein the byte stream object is produced using a scheme handler that is selected from a list of scheme handlers, the list being selected based on the scheme of the URL (Col. 2, line 5-26, The network server module coupled to the network enabled device selects an address from a plurality of links (see Col. 3, line 50-60) and signals the address to the network enabled device and the media playback component.) Eyal does expressly disclose ordered based on cost values associated with each of the scheme handlers in the list, however, Klemets discloses ordered

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based on cost values associated with each of the scheme handlers in the list (Klemets, paragraph [0099], discloses costs associated with bit rates and streaming media content.).

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to RYAN J. JAKOVAC whose telephone number is (571)270-5003. The examiner can normally be reached on Monday through Friday, 7:30 am to 5:00 pm EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Glenton B. Burgess can be reached on (571) 272-3949. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/RJ/

/Larry D Donaghue/

Primary Examiner, Art Unit 2454